Course Syllabus

Welcome to Graduate Introduction to Operating Systems!

This is a graduate-level introductory course in operating systems. This course teaches the basic operating system abstractions, mechanisms, and their implementations. The core of the course focuses on OS support for concurrency (threads) and synchronization, resource management (CPU, memory, I/O), and distributed services. The practical component of the course teaches multithread programming, inter-process communication, and distributed interactions via RPC.

This course is part of the Online MS in CS degree courses. The online content for the class is available under Canvas -> Modules.

The schedule for the current semester is available at:

https://docs.google.com/spreadsheets/d/19Os6R4qMTUwI8cQXupGAZoFbPuFbG-wnALnMbvPjUWw/edit?usp=sharing

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TAs: (Summer 2024, TBF)

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Office Hours:
To be carried out through Zoom.
Tentative schedule: Tuesdays 1-2pm ET -- tentative
Time & link will be announced via Piazza

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Summer 2024 Syllabus

Please read the Course Introduction Announcement (also available as a Piazza post @7) prior to using the pre-recorded course information and material.

Current semester schedule:
https://docs.google.com/spreadsheets/d/19Os6R4qMTUwI8cQXupGAZoFbPuFbG-wnALnMbvPjUWw/edit?usp=sharing
Note on Collaboration:
docs.google.com/document/d/1yM_yZIj6R7LIc-dfU8vU79crq-WKiOMNbLkiFB-cICA/edit#heading=h.18tbee2ga8ix

Course Summary:

Date	Details	Due
Mon Jan 15, 2024	🚀 Collaboration Policy	due by 8pm
Wed Jan 17, 2024	🗓 [CS6200] Week 2 Office Hours	1am to 2am
Mon Jan 22, 2024	📝 Project 1 Warmup (Echo)	due by 7pm
	📝 Project 1 Warmup (Transfer file)	due by 7pm
Wed Jan 24, 2024	🗓 [CS6200] Week 3 OH	1am to 2am
Wed Jan 31, 2024	🗓 [CS6200] Week 4 Office Hours	1am to 2am
Mon Feb 5, 2024	📝 Project 1::Part1 (gfclient)	due by 7pm
	📝 Project 1::Part1 (gfserver)	due by 7pm
Wed Feb 7, 2024	🗓 [CS6200] Week 5 Office Hours	8am to 9am
Mon Feb 12, 2024	📝 Project 1 Readme	due by 7pm
	📝 Project 1::Part2 (multi-threaded gfclient)	due by 7pm
	📝 Project 1::Part2 (multi-threaded gfserver)	due by 7pm
Wed Feb 14, 2024	🗓 [CS6200] Week 6 Office Hours	1am to 2am
Mon Feb 19, 2024	📝 Project 3 (Proxy Server)	due by 8pm
Wed Feb 21, 2024	🗓 [CS6200] Week 7 Office Hours	10am to 11am
Tue Feb 27, 2024	🚀 Midterm Exam	due by 11:59am
Wed Feb 28, 2024	🗓 [CS6200] Week 8 Office Hours	2am to 3am
Thu Mar 7, 2024	🗓 Graduate Intro to OS - CS-6200-O01	6am to 7am
Wed Mar 13, 2024	🗓 Graduate Intro to OS - CS-6200-O01	12am to 1am
Tue Mar 26, 2024	📝 Project 3 (Cache Server)	due by 7pm
Wed Mar 27, 2024	🗓 [CS6200] Week 12 Office Hours	8am to 9am
Thu Mar 28, 2024	📝 Project 3 ReadMe	due by 7pm
Wed Apr 3, 2024	🗓 [CS6200] Week 13 Office Hours	12am to 1am
Mon Apr 8, 2024	📝 Project 4 (Part 1 - grpc)	due by 7pm
Wed Apr 10, 2024	🗓 [CS6200] Week 14 Office Hours	12am to 1am
Thu Apr 18, 2024	🗓 [CS6200] Week 15 Office Hours	6am to 7am
Mon Apr 22, 2024	📝 Project 4 (Part 2 - multi-threaded grpc)	due by 7pm
	📝 Project 4 Readme	due by 7pm
Wed May 1, 2024	🚀 Final Exam	due by 10:59am